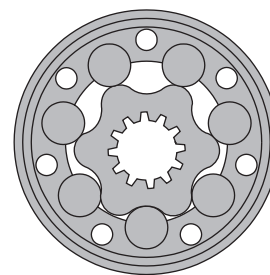


HYDRAULIC MOTORS EPMH



APPLICATION

- » Conveyors;
- » Feeding mechanism of robots and manipulators;
- » Metal working machines;
- » Textile machines;
- » Machines for agriculture;
- » Food industries;
- » Mining machinery etc.



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OPTIONS

- » Model- Spool valve, geroler;
- » Flange mount;
- » Shafts- straight, splined and tapered;
- » Metric and BSPP ports;
- » Other special features.

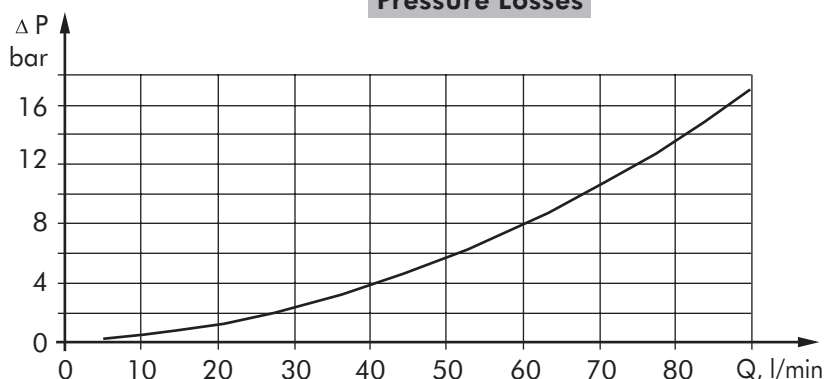
GENERAL

Displacement, [cm ³ /rev.]	201,3÷502,4
Max. Speed, [RPM]	370÷150
Max. Torque, [daNm]	51÷85
Max. Output, [kW]	16÷11
Max. Pressure Drop, [bar]	175÷125
Max. Oil Flow, [l/min]	75
Min. Speed, [RPM]	10÷5
Pressure fluid	Mineral based- HLP(DIN 51524) or HM(ISO 6743/4)
Temperature range, [°C]	-30÷90
Optimal Viscosity range, [mm ² /s]	20÷75
Filtration	ISO code 20/16 (Min. recommended fluid filtration of 25 micron)

Oil flow in drain line

Pressure drop (bar)	Viscosity (mm ² /s)	Oil flow in drain line (l/min)
100	20	2,5
	35	1,8
140	20	3,5
	35	2,8

Pressure Losses



SPECIFICATION DATA

Type	EPMH 200	EPMH 250	EPMH 315	EPMH 400	EPMH 500	
Displacement [cm ³ /rev.]	201,3	252	314,9	396,8	502,4	
Max. Speed, [RPM]	cont.	370	295	235	185	150
	Int.*	445	350	285	225	180
Max. Torque [daNm]	cont.	51	61	74	84	85
	Int.*	58	70	82	98	104
	peak**	64	79	98	109	117
Max. Output [kW]	cont.	16	16	14	12,5	11
	Int.*	18,5	18,5	15,5	15	14
Max. Pressure Drop [bar]	cont.	175	175	175	155	125
	Int.*	200	200	200	190	160
	peak**	225	225	225	210	180
Max. Oil Flow [l/min]	cont.	75	75	75	75	75
	Int.*	90	90	90	90	90
Max. Inlet Pressure [bar]	cont.	200	200	200	200	200
	Int.*	225	225	225	225	225
	peak**	250	250	250	250	250
Max. Return Pressure without Drain Line or	cont. 0-100 RPM	100	100	100	100	100
	cont. 100-200 RPM	50	50	50	50	50
Max. Pressure in Drain Line , [bar]	cont. 200-300 RPM	20	20	20	20	20
	Int.* 0-max. RPM	100	100	100	100	100
Max. Starting Pressure with Unloaded Shaft, [bar]		5	5	5	5	5
Min. Starting Torque [daNm]	at max. press. drop cont.	39	52	66	72	72
	at max. press. drop Int.*	45	59	73	88	88
Min. Speed***, [RPM]		10	10	8	5	5
Weight, [kg]		10,5	11	11,5	12,3	13

* Intermittent operation: the permissible values may occur for max. 10% of every minute.

** Peak load: the permissible values may occur for max. 1% of every minute.

*** For speeds of 5 RPM lower than given, consult factory or your regional manager.

- 1) Intermittent speed and intermittent pressure must not occur simultaneously.
- 2) Recommended filtration is per ISO cleanliness code 20/16. A nominal filtration of 25 micron or better.
- 3) Recommend using a premium quality, anti-wear type mineral based hydraulic oil, HLP(DIN51524) or HM(ISO6743/4).
If using synthetic fluids consult the factory for alternative seal materials.
- 4) Recommended minimum oil viscosity 13 mm²/s at 50°C.
- 5) Recommended maximum system operating temperature is 82°C.
- 6) To assure optimum motor life fill with fluid prior to loading and run at moderate load and speed for 10-15 minutes.

